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=> file caplus embase medline biosis jicst-e
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=> act gito1/a
L18 (       1)SEA FILE=REGISTRY ACETAMINOPHEN/CN
L19      7581 SEA FILE=CAPLUS L18 OR (ABENSANIL/BI OR ACAMOL/BI OR "ACE
L20      6775 SEA FILE=MEDLINE L18 OR (ABENSANIL/BI OR ACAMOL/BI OR "AC
L21      6959 SEA FILE=BIOSIS L18 OR (ABENSANIL/BI OR ACAMOL/BI OR "ACE
L22     15482 SEA FILE=EMBASE L18 OR (ABENSANIL/BI OR ACAMOL/BI OR "ACE
L23       741 SEA FILE=JICST-EPLUS L18 OR (ABENSANIL/BI OR ACAMOL/BI OR
L24     37538 SEA L18 OR (ABENSANIL/BI OR ACAMOL/BI OR "ACENOL (PHARMAC

=> s l24 and (color? or colour? or spectrophoto?)
L25       586 FILE CAPLUS
L26       436 FILE EMBASE
L27       266 FILE MEDLINE
L28       226 FILE BIOSIS
L29        32 FILE JICST-EPLUS

TOTAL FOR ALL FILES
L30      1546 L24 AND (COLOR? OR COLOUR? OR SPECTROPHOTO?)

=> s l30 and (assay? or analy? or detect? or analy?)
L31       352 FILE CAPLUS
L32       293 FILE EMBASE
L33       178 FILE MEDLINE
L34       137 FILE BIOSIS
L35        21 FILE JICST-EPLUS

TOTAL FOR ALL FILES
L36       981 L30 AND (ASSAY? OR ANALY? OR DETECT? OR ANALY?)

=> s l36 and (arylacylamidase? or acylamidase?)
L37         7 FILE CAPLUS
L38         0 FILE EMBASE
L39         3 FILE MEDLINE
L40         0 FILE BIOSIS
L41         0 FILE JICST-EPLUS

TOTAL FOR ALL FILES
L42        10 L36 AND (ARYLACYLAMIDASE? OR ACYLAMIDASE?)

=> dup rem l42
PROCESSING COMPLETED FOR L42
L43        10 DUP REM L42 (0 DUPLICATES REMOVED)

=> d l43 bib,abs 1-10

L43  ANSWER 1 OF 10  CAPLUS  COPYRIGHT 1996 ACS
AN   1994:182999  CAPLUS
DN   120:182999
TI   Dry analytical element for acetaminophen
     assay
IN   Schaeffer, James Robert; Mauck, John Charles; Winterkorn, Robert
     Francis; Arter, Thomas Charles
PA   Eastman Kodak Co., USA
SO   Eur. Pat. Appl., 14 pp.
     CODEN: EPXXDW
```

PI EP 580070 A2 940126
DS R: CH, DE, FR, GB, LI, NL
AI EP 93-111289 930714
PRAI US 92-914915 920715
DT Patent
LA English
AB A **spectrophotometric assay** for the **detection of acetaminophen** in aq. fluids can be carried out with a dry anal. element. The element comprises a support having .gtoreq.1 reagent layers contg. a first enzyme, aryl **acylamidase**, to cleave the amide bond of **acetaminophen** to produce p-aminophenol; a 2nd enzyme, e.g. ascorbic acid oxidase, to oxidize the p-aminophenol so that it couples to a water-sol. coupling agent to form a dye that is read at 670 nm. The **assay** is precise, accurate on serum and plasma samples, and relatively free from significant interferences. The element also allows measurement over a broad dynamic range. Laccase or tyrosinase may be used instead of ascorbic acid oxidase. Various compds. were tested as coupling agents for **assay** of **acetaminophen**. 1-(3-Sulfopropyl)-1,2,3,4-tetrahydroquinoline gave the best signal and was water-sol.

L43 ANSWER 2 OF 10 CAPLUS COPYRIGHT 1996 ACS
AN 1991:505330 CAPLUS
DN 115:105330
TI **Paracetamol** testing - the need for early diagnosis
AU Brett, Trevor; Mullen, Bill
CS Section Head Res. Dev., Cambridge Life Sci. PLC, Ely, CB7 4DT, UK
SO Lab. Pract. (1991), 40(4), 51-2
CODEN: LABPA3; ISSN: 0023-6853
DT Journal
LA English
AB In order to minimize the risk of hepatic damage occurring in patients presenting at the emergency room with **paracetamol** overdose, it is essential that the concn. of this drug in the serum is rapidly and accurately measured. **Assays** such as the Cambridge Life Sciences **Paracetamol Assay** Kit fulfill these criteria, enabling the clinician to safely administer life-saving antidotes. The method is based on the use of aryl **acylamidase** to cleave **paracetamol** and produce p-aminophenol which reacts with o-cresol in the presence of ammonia and copper ions at alk. pH to give a color which may be quantitated at 615 nm.

L43 ANSWER 3 OF 10 MEDLINE
AN 90210257 MEDLINE
TI Method for determining **paracetamol** in whole blood by chronoamperometry following enzymatic hydrolysis.
AU Bramwell H; Cass A E; Gibbs P N; Green M J
CS Centre for Biotechnology, Imperial College of Science, Technology & Medicine, London, UK..
SO ANALYST, (1990 Feb) 115 (2) 185-8.
Journal code: 4OS. ISSN: 0003-2654.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
EM 9007
AB A method is proposed for the determination of **paracetamol** in whole undiluted blood, based on the enzymatic hydrolysis of the drug to p-aminophenol, which is then measured by chronoamperometry at a glassy carbon electrode. Hydrolysis of the **paracetamol** prior to electro-oxidation is shown to alleviate problems that arise from high background currents in the whole blood and so ensures a good linear correlation (r greater than 0.99) between the current and the **paracetamol** concentration. Recovery experiments and comparison with a reference method based on **spectrophotometry** suggest that the electrochemical **assay** only measures that proportion of **paracetamol** that is not bound to serum albumin.

L43 ANSWER 4 OF 10 CAPLUS COPYRIGHT 1996 ACS

AN 1990:73355 CAPLUS
DN 112:73355
TI Method, composition, and test device for the determination of anilides
IN Fernandez de Castro, Aurora; Gupta, Surendra Kumar; Shantz, Steven Michael
PA GDS Technology, Inc., USA
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2
PI WO 8903888 A1 890505
DS W: AU, DK, FI, JP, NO, SU
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE
AI WO 88-US3739 881024
PRAI US 87-116169 871028
DT Patent
LA English
AB Detection or detn. of an anilide, esp. acetaminophen, uses a compn. contg. (1) arylacylamidase (EC 3.5.1.13); (2) an org. compd. contg. alc. and/or arom. groups, e.g. o-cresol; and (3) an oxidant/catalytic agent, e.g. periodate, for accelerating color development. The alc. and/or arom. group-contg. compd. both stabilizes the enzyme and forms a colored product with aniline. A method for stabilization of arylacylamidase and a filter paper test device for anilide detection are described. The enzymic hydrolysis of the anilide and the color development step can be done simultaneously with one reagent. The method and compn. are easily used with one-channel automated instrumentation. To 2 parts of arylacylamidase (3.5 units/L) contg. 3.75 mM o-cresol in 50 mM carbonate buffer (pH 8.0) was added 1 part of a soln. contg. 3.75 mM IO4- in 50 mM carbonate buffer (pH 9.6). To 2 mL of the combined reagent was added 50 .mu.L of serum contg. 50-400 mg acetaminophen/L. The rate of color prodn. at 615 nm was measured. There was a linear relationship between the rate of color formation and acetaminophen concn. The decline of arylacylamidase activity was detd. in the absence and presence of a variety of concns. of o-cresol. In one test at pH 8.0 and 37.degree., enzyme activity declined from 13.5 to 1.87 units/mL in 14 days, while activity in the presence of 2.8 mM o-cresol declined from 13.6 to 11.8 units/mL in the same period.

L43 ANSWER 5 OF 10 MEDLINE
AN 88105197 MEDLINE
TI Analytical reviews in clinical chemistry: methods for the estimation of salicylate and paracetamol in serum, plasma and urine.
AU Stewart M J; Watson I D
CS Department of Biochemistry, Royal Infirmary, Glasgow, UK..
SO ANNALS OF CLINICAL BIOCHEMISTRY, (1987 Nov) 24 (Pt 6) 552-65. Ref: 116
Journal code: 52Y. ISSN: 0004-5632.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LA English
FS Priority Journals
EM 8804

L43 ANSWER 6 OF 10 MEDLINE
AN 85146793 MEDLINE
TI Development of an enzyme-based assay for acetaminophen.
AU Hammond P M; Scawen M D; Atkinson T; Campbell R S; Price C P
SO ANALYTICAL BIOCHEMISTRY, (1984 Nov 15) 143 (1) 152-7.
Journal code: 4NK. ISSN: 0003-2697.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals

EM 8506
AB A new and novel method for determination of serum **acetaminophen** is described. The **assay**, which can be completed in less than 5 min, is based on the enzymatic hydrolysis of **acetaminophen**, with subsequent **colorimetric detection** of the aminophenol so produced. Various possible means of aminophenol estimation are described; the final reaction conditions have been optimized for maximum sensitivity and **assay** speed. This **assay** compares favorably with other available procedures; it requires only small sample volumes; it is rapid, simple, and highly specific for the parent drug; and it requires neither great technical ability nor expensive instrumentation.

L43 ANSWER 7 OF 10 CAPLUS COPYRIGHT 1996 ACS
AN 1984:29241 CAPLUS
DN 100:29241
TI Enzymic method for **acetaminophen** adapted to a centrifugal **analyzer**
AU Hallworth, Michael J.
CS Dep. Biochem., West. Infirm., Glasgow, G11 6NT, UK
SO Clin. Chem. (Winston-Salem, N. C.) (1983), 29(12), 2123-4
CODEN: CLCHAU; ISSN: 0009-9147
DT Journal
LA English
AB A method is described for adapting an enzymic-hydrolysis com. kit for the detn. of **acetaminophen** (I) [**103-90-2**] in human biol. fluids to the Cobas-Bio centrifugal **analyzer**. A combined **color** reagent is prepd. by mixing o-cresol with ammoniacal CuSO4. The enzyme reagent (bacterial aryl **acylamidase**) is reconstituted according to instructions in the kit. Other conditions for the automated anal. are described. In comparison with the manual I method (coeff. of variation 3.1-3.4%), the automated technique gave between-run coeffs. of variation of 2.00-2.19%. The **detection** limit for the automated **assay** was 0.02 mM. The method was judged to be highly specific, yielding improved performance at reduced cost.

L43 ANSWER 8 OF 10 CAPLUS COPYRIGHT 1996 ACS
AN 1984:30537 CAPLUS
DN 100:30537
TI Collaborative trial of an enzyme-based **assay** for the determination of **paracetamol** in plasma
AU Brown, Stanley S.; Campbell, R. Stewart; Price, Christopher P.; Rambohul, Elizabeth; Widdop, Brian; Barbour, Heather M.; Roberts, John G.; Burnett, David; Atkinson, Tony; et al.
CS Div. Clin. Chem., MRC Clin. Res. Cent., Harrow/Middx., HA1 3UJ, UK
SO Ann. Clin. Biochem. (1983), 20(6), 353-9
CODEN: ACBOBU; ISSN: 0004-5632
DT Journal
LA English
AB A method for detg. **paracetamol** (I) [**103-90-2**] concns. in human plasma is described and compared with gas-liq. chromatog. (GC) and a high-performance liq. chromatog. (HPLC) methods. To the plasma sample was added aryl **acylamidase** followed by the **color** reagent (ammoniacal Cu cresol reagent) and the absorbance was read after 3 min at 615 nm. The microbial aryl amidase used had a high degree of specificity for I, the chem. reaction of the p-aminophenol so formed, with cresol, to produce an indophenol dye is also highly specific. No drugs commonly found in proprietary I prepns. interfere with the enzymic **assay** or give a false **color** reaction.
Furthermore, no interferences were obsd. with several common, but unrelated drugs, which are sometimes taken in multiple overdosage. In terms of sensitivity, linearity, precision, and accuracy, the enzymic **assay** was closely comparable to established HPLC and GC methods over the range 0-2.5 mmol/L. Thus, the range of plasma I concns. usually found in poisoned patients can be covered without sample diln.

L43 ANSWER 9 OF 10 CAPLUS COPYRIGHT 1996 ACS

AN 1982:576751 CAPLUS
DN 97:176751
TI Estimation of N-acylated primary aromatic amines
IN Hammond, Peter Michael; Price, Christopher Philip; Scawen, Michael Denis; Atkinson, Anthony
PA Public Health Laboratory Service Board, UK
SO Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
PI EP 53470 A1 820609
DS R: BE, CH, DE, FR, IT, NL, SE
AI EP 81-305551 811124
PRAI GB 80-38634 801202
DT Patent
LA English
AB A method for the detn. of anilides in biol. fluids via enzymic hydrolysis of the anilide to an aniline and estg. the quantity of the aniline **spectrophotometrically** is disclosed. Thus, samples of serum contg. **paracetamol [103-90-2]** were incubated with aryl **acylamidase** soln. To 1 mL of cresol soln. was added ammoniacal Cu sulfate soln; the enzymically hydrolyzed serum soln. was then added to the cresol/Cu sulfate/NH3 mixt. The absorbance of the soln. was measured at 615 nm. Diagnostic kits for the anilide estn. were described.

L43 ANSWER 10 OF 10 CAPLUS COPYRIGHT 1996 ACS
AN 1981:202351 CAPLUS
DN 94:202351
TI Enzyme-based **paracetamol** estimation
AU Hammond, Peter M.; Scawen, Michael D.; Price, Christopher P.
CS Diagnostic Reagents Lab., Cent. Appl. Microbiol. Res., Salisbury, SP4 0JG, Engl.
SO Lancet (1981), 1(8216), 391-2
CODEN: LANCAO; ISSN: 0023-7507
DT Journal
LA English
AB **Paracetamol** (I) **[103-90-2]** in blood serum was converted to aminophenol (II) by enzymic hydrolysis with aryl **acylamidase**; II was reacted with cresol to form an indophenol dye which was measured **colorimetrically**. The method was sensitive to I levels below those of therapeutic significance and was linear over the range 0-2.6 mmol/L (0-400 mg/L) original serum sample.

=> s l36 not l42
L44 345 FILE CAPLUS
L45 293 FILE EMBASE
L46 175 FILE MEDLINE
L47 137 FILE BIOSIS
L48 21 FILE JICST-EPLUS

TOTAL FOR ALL FILES
L49 971 L36 NOT L42

=> s l49 and (layer? or multilayer?)
L50 47 FILE CAPLUS
L51 37 FILE EMBASE
L52 9 FILE MEDLINE
L53 10 FILE BIOSIS
L54 1 FILE JICST-EPLUS

TOTAL FOR ALL FILES
L55 104 L49 AND (LAYER? OR MULTILAYER?)

=> dup rem
ENTER L# LIST OR (END):l55
PROCESSING COMPLETED FOR L55
L56 83 DUP REM L55 (21 DUPLICATES REMOVED)

=> s l55 and (oxidiz? or oxida?)
L57 2 FILE CAPLUS
L58 3 FILE EMBASE
L59 1 FILE MEDLINE
L60 1 FILE BIOSIS
L61 0 FILE JICST-EPLUS

TOTAL FOR ALL FILES
L62 7 L55 AND (OXIDIZ? OR OXIDA?)

=> dup rem l62
PROCESSING COMPLETED FOR L62
L63 6 DUP REM L62 (1 DUPLICATE REMOVED)

=> d l63 bib,abs 1-6

L63 ANSWER 1 OF 6 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.DUPLICATE 1
AN 94355197 EMBASE
TI [Thermic stabilities of paracetamol solution. Thin layer chromatography (TLC) - Ultraviolet spectrophotometry].
ESTABILIDADE TERMICA DO **PARACETAMOL** EM SOLUCAO: CROMATOGRAFIA EM CAMADA DELGADA (CCD) - ESPECTROFOTOMETRIA ULTRAVIOLETA.
AU Correa M.A.; Bueno J.H.F.
CS Depto. de Farmacos e Medicamentos, Faculdade de Ciencias Farmaceuticas, UNESP, 14801-902 - Araraquara, SP, Brazil
SO REV. CIENC. FARM., (1993-1994) 15/- (123-140).
ISSN: 0101-3793 CODEN: RFCFDE
CY Brazil
DT Journal
FS 029 Clinical Biochemistry
030 Pharmacology
037 Drug Literature Index
LA Portuguese
SL English; Portuguese
AB The interference practised by the products in degradation of paracetemol when there is the application of spectrophotometry UV is the main obstruction to the execution of studies of thermic stability. The application of chromatography in slender layer to the isolation of paracetamol, besides being the excessively hard to apply was satisfactory to the desired proposal. The type and extension of degradation suffered by paracetamol in solution suggest the convenient inclusion, in the formulations, of one system

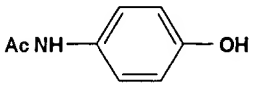
antioxidant. This practice makes possible the blockage of the oxidation of p-aminophenol, produced by the hydrolytic degradation of paracetamol; this fact propitiated the diminution of the number of products of degradation in the medicine, making the use more secure. On the other hand, considering especially the methodological necessities of the present work, the presence of one antioxidant system facilitated the separation of paracetamol through the Thin Layer Chromatography and consequently optimized its quantification by Spectrophotometry UV during the study of thermic stability. The formulation proposed revealed excellent stability.

L63 ANSWER 2 OF 6 CAPLUS COPYRIGHT 1996 ACS
AN 1988:201304 CAPLUS
DN 108:201304
TI A poly(vinyl alcohol)-based strip with improved peroxidase stability for colorimetric testing
IN Eikenberry, Jon Nathan
PA Eastman Kodak Co., USA
SO Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
PI EP 252750 A1 880113
DS R: CH, DE, FR, GB, LI
AI EP 87-306107 870710
PRAI US 86-884249 860710
DT Patent
LA English
AB An anal. compn., which may be incorporated in a test element, has a peroxidase-labeled ligand analog distributed in a water-sol. binder comprising .gtoreq.50 wt.% poly(vinyl alc.). As a result, the stability of peroxidase is improved prior to use. A test element for digoxin detn. was prepd. which comprised: (1) a poly(ethylene terephthalate) support layer; (2) a reagent layer contg. hardened gelatin, surfactant, buffer, .alpha.-glycerophosphate oxidase, and 4-hydroxyacetanilide; (3) a water-sol. layer contg. poly(vinyl alc.), digoxin-peroxidase conjugate, surfactant, and buffer; (4) a spreading layer contg. polymer beads, adhesive, 2-(3,5-dimethoxy-4-hydroxyphenyl)-4,5-bis(4-dimethylaminophenyl)imidazole leuco dye, Staphylococcus aureus coated with anti-digoxin antibodies, surfactant, and antioxidant. Digoxin was detd. by applying 10 .mu.L of a liq. sample to the test element, incubating, and applying 10 .mu.L of a wash fluid contg. .alpha.-glycerophosphate to the same area to wash uncomplexed ligand analog horizontally away from complexed ligand analog, and to initiate the enzymic reactions which produce a detectable dye. Complexed ligand analog was then detd. by monitoring the reflectance at 670 nm in the center of the spotted area. The digoxin concn. was inversely related to the rate of dye formation.

L63 ANSWER 3 OF 6 MEDLINE
AN 88166398 MEDLINE
TI Metabolism of bepridil in laboratory animals and humans.
AU Wu W N; Hills J F; Chang S Y; Ng K T
CS Department of Drug Metabolism, McNeil Pharmaceutical, Spring House, PA 19477..
SO DRUG METABOLISM AND DISPOSITION, (1988 Jan-Feb) 16 (1) 69-77.
Journal code: EBR. ISSN: 0090-9556.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 8807
AB The metabolism of bepridil was studied in the Swiss mouse, Sprague-Dawley rat, New Zealand rabbit, rhesus monkey, and healthy human. After oral administration of bepridil-14C-hydrochloride, recoveries of total radioactivity in urine and feces (7 days) were greater than or equal to 80% of the administered dose in all five species. Bepridil and 25 metabolites have been isolated by HPLC and TLC from representative plasma, urine, and fecal extract pools from all species and identified on the basis of TLC, HPLC, and mass

spectrometry. The identified metabolites explained 60-99% of the total radioactivity in each sample for rabbit plasma, in which only 17% of the total radioactivity was characterized. Metabolic pathways involving **oxidative** reactions at seven sites on the bepridil molecule are proposed for each species. Metabolite formation in the five species is described by four interrelated pathways. The metabolic pathway involving aromatic hydroxylation followed by N-dealkylation, N-debenzylation, and N-acetylation was important in all species. Major metabolites produced by this pathway included 4-hydroxy(at N-phenyl)-bepridil (Ia), N-benzyl-4-amino-phenol (IV), and **N-acetyl-4-aminophenol** (Vy). Metabolite Ia was isolated in significant amounts (greater than or equal to 5% of sample) in all fecal and urine samples except rat urine. Metabolite IV was a major circulating metabolite in all species and a major urinary metabolite in humans. Metabolite Vy was present in significant quantities in urine in all species except rabbit. Other important pathways involved primary reactions such as iso-butyl hydroxylation, pyrrolidine ring **oxidation**, and N-debenzylation.(ABSTRACT TRUNCATED AT 250 WORDS)

L63 ANSWER 4 OF 6 CAPLUS COPYRIGHT 1996 ACS
AN 1983:533207 CAPLUS
DN 99:133207
TI **Colorimetric** determination of **acetaminophen**
AU Gupta, Ram N.; Pickersgill, Robin; Stefanec, Maria
CS Dep. Lab. Med., St. Joseph's Hosp., Hamilton, ON, Can.
SO Clin. Biochem. (Ottawa) (1983), 16(4), 220-1
CODEN: CLBIAS; ISSN: 0009-9120
DT Journal
LA English
GI



I

AB A **colorimetric** procedure for the emergency detn. of **acetaminophen** (I) [**103-90-2**] in plasma is described. **Acetaminophen** is extd. into Et acetate at physiol. pH to eliminate salicylate, amino acids, and other polar compds. The ext. is treated with Fuller's earth to remove bilirubin and with anhyd. sodium sulfate to remove traces of aq. droplets contg. proteins or uric acid. The ext. is back-extd. into carbonate and simultaneously treated with Folin-Ciocalteau reagent to produce a stable **color** complex. The absorbance is detd. at 660 nm. The extn. efficiency is about 92%. Any compd. which is present in the final carbonate **layer** and is readily **oxidizable** can produce false pos. results for **acetaminophen**.

L63 ANSWER 5 OF 6 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 82057533 EMBASE
TI Reversed-phase chromatography of urinary metabolites of **paracetamol** using ion suppression and ion pairing.
AU Hart S.J.; Tontodonati R.; Calder I.C.
CS Dept. Org. Chem., Univ. Melbourne, Parkville, Vic. 3052, Australia
SO J. CHROMATOGR., (1981) 225/2 (387-405).
CODEN: JOCRAM
CY Netherlands
LA English
AB High-performance liquid chromatography (HPLC) has proven particularly useful for the study of **paracetamol** metabolism. Two alternative methods were developed using reversed-phase C18 columns. A rapid ion suppression technique was used for the **analysis** of free **paracetamol**, **paracetamol** mercapturic acid and cysteine conjugate in urine samples obtained from isolated perfused rat kidney preparations,

which has conveniently demonstrated the oxidative metabolic capacity of the kidney towards paracetamol. A somewhat longer, but higher resolution, ion-pair HPLC procedure was developed for the analysis of paracetamol metabolites in urine samples from experimental animals. The ion-pairing solvent was composed of tetrabutylammonium hydroxide, Tris and EDTA buffered to pH 7.2 with phosphoric acid. Gradient programming was further used to enhance resolution. Using this system two new metabolites, the sulphate and glucuronide conjugates of 3-thiomethyl-paracetamol were detected and routinely determined along with other known paracetamol metabolites, viz. free paracetamol, paracetamol sulphate, glucuronide, mercapturic acid, and cysteine conjugates, 3-methoxyparacetamol glucuronide and sulphate, p-aminophenol and its O-glucuronide and O-sulphate conjugates. Phenolic O-substituted glucuronide and sulphate conjugates of N-hydroxyparacetamol were also separated.

L63 ANSWER 6 OF 6 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 79070709 EMBASE
TI Conjugation of various drugs in isolated hepatocytes.
AU Andersson B.; Berggren M.; Moldeus P.
CS Dept. Forens. Med., Karolinska Inst., Stockholm, Sweden
SO DRUG METAB. DISPOSITION, (1978) 6/6 (611-616).
CODEN: DMDSAI
CY United States
LA English
AB Acetaminophen, 4-methylumbelliferone, harmol, phenolphthalein and 2-naphthol were conjugated with both sulfate and glucuronic acid in isolated hepatocytes. At low concentrations of acetaminophen, 4-methylumbelliferone, and harmol the primary metabolite formed was the sulfate conjugate, whereas glucuronide formation became more important at higher substrate concentrations. Phenolphthalein and 2-naphthol were mainly conjugated with glucuronic acid even at low substrate concentrations. Only the conjugation of 2-naphthol was increased after treatment of the animals with 3-methylcholanthrene or phenobarbital. The conjugation of 4-methylumbelliferone was even lower in hepatocytes isolated from phenobarbital-treated rats as compared with controls. Glucuronidation of 4-methylumbelliferone and harmol proceeded at similar rates in isolated hepatocytes and native microsomes supplemented with UDP-glucuronic acid, suggesting UDP-glucuronosyltransferase to be latent also in intact cells. The oxidation of harmine to harmol in hepatocytes isolated from control rats was slow and almost all the formed harmol was conjugated with sulfate. Phenobarbital treatment of the rats stimulated the production of harmol in hepatocytes, resulting in an increased proportion being conjugated with glucuronic acid. Also in these cells very small amounts of unconjugated harmol accumulated. Salicylamide inhibited sulfate conjugation of harmol but had no effect on glucuronidation. In the presence of salicylamide the oxidation product, harmol, was predominantly conjugated with glucuronic acid.

=> s l36 not l62
L64 350 FILE CAPLUS
L65 290 FILE EMBASE
L66 177 FILE MEDLINE
L67 136 FILE BIOSIS
L68 21 FILE JICST-EPLUS

TOTAL FOR ALL FILES
L69 974 L36 NOT L62

=> s l55 not l62
L70 45 FILE CAPLUS
L71 34 FILE EMBASE
L72 8 FILE MEDLINE
L73 9 FILE BIOSIS
L74 1 FILE JICST-EPLUS

TOTAL FOR ALL FILES
L75 97 L55 NOT L62

=> dup rem l75
PROCESSING COMPLETED FOR L75
L76 77 DUP REM L75 (20 DUPLICATES REMOVED)

=> d l76 bib 1-77

L76 ANSWER 1 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1995:730351 CAPLUS
DN 123:153022
TI Qualitative analysis of psychotropic drugs by capillary gas chromatography using NPD
AU Shimano, Masako; Inoue, Yoko; Matsuzaki, Ryuichi; Inde, Susumu; Yagasaki, Kunihide
CS Tokyo Customs Laboratory, Tokyo, 108, Japan
SO Kanzei Chuo Bunsekishoho (1995), 34, 87-92
CODEN: KCBSDI; ISSN: 0286-1933
DT Journal
LA Japanese

L76 ANSWER 2 OF 77 BIOSIS COPYRIGHT 1996 BIOSIS
AN 94:443354 BIOSIS
DN 97456354
TI Analysis of drugs and poisons in a hospital toxicology laboratory.
AU Simpson D; Jarvie D R
CS Dep. Clin. Biochem., Royal Infirmary, Univ. Edinburgh, Edinburgh EH8 9YW, UK
SO Ciencia e Cultura (Sao Paulo) 45 (6). 1994. 386-389. ISSN: 0009-6725
LA English

L76 ANSWER 3 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1995:458887 CAPLUS
DN 122:299214
TI New methods for determination of active compounds present in multicomponent antihistaminic pharmaceuticals
AU Tuszynska, Ewa; Podolska, Marzena; Kwiatkowska-Puchniarz, Barbara; Kaniewska, Teresa
CS Dep. Chem. Anal., Drug Inst., Warsaw, 00725, Pol.
SO Acta Pol. Pharm. (1994), 51(4-5), 317-23
CODEN: APPHAX; ISSN: 0001-6837
DT Journal
LA English

L76 ANSWER 4 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 1
AN 1994:541886 CAPLUS
DN 121:141886
TI Determination of paracetamol, dextropropoxyphene hydrochloride and dicyclomine hydrochloride in pharmaceutical formulations by quantitative thin layer chromatography (part - II)

AU Parimoo, P.; Mounisswamy, M.; Bharathi, A.; Lakshmi, N.
CS Dep. Pharm., Birla Inst. Technol. Sci., Pilani, 333 031, India
SO Indian Drugs (1994), 31(5), 211-14
CODEN: INDRBA; ISSN: 0019-462X
DT Journal
LA English

L76 ANSWER 5 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 94160937 EMBASE
TI Application of ion pair complexes of some acid-base indicators in pharmaceutical **analysis. I. Spectrophotometric** microdetermination of L-hyoscine butyl bromide by its ion pair complex with methyl orange.
AU Issopoulos P.B.; Pavlou-Zervou E.
CS Laboratory of Analytical Chemistry, Dept. of Inorganic/Analytical Chem., University of Ioannina, GR-451 10 Ioannina, Greece
SO FARMACO, (1994) 49/3 (205-210).
ISSN: 0014-827X CODEN: FRMCE8
CY Italy
DT Journal
FS 037 Drug Literature Index
LA English
SL English

L76 ANSWER 6 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 94145691 EMBASE
TI Estimation of oxyphenbutazone and ibuprofen in presence of **paracetamol** and dextropropoxyphene in dosage forms by quantitative thin **layer** chromatography (Part 1).
AU Parimoo P.; Bharathi A.; Shajahan M.
SO INDIAN DRUGS, (1994) 31/4 (139-143).
ISSN: 0019-462X CODEN: INDRBA
CY India
DT Journal
FS 037 Drug Literature Index
LA English
SL English

L76 ANSWER 7 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 94181299 EMBASE
TI Selective determination of nitrendipine and nimodipine in pharmaceutical dosage by high performance thin **layer** chromatography.
AU Shinde V.M.; Desai B.S.; Tendolkar N.M.
CS Analytical Laboratory, Institute of Science, 15 Madam Cama Road, Bombay-400 032, India
SO INDIAN DRUGS, (1994) 31/3 (119-121).
ISSN: 0019-462X CODEN: INDRBA
CY India
DT Journal
FS 037 Drug Literature Index
LA English
SL English

L76 ANSWER 8 OF 77 BIOSIS COPYRIGHT 1996 BIOSIS
AN 93:404287 BIOSIS
DN BR45:63112
TI DEVELOPMENT OF A **MULTILAYERED COLORIMETRIC ASSAY** FOR SERUM **ACETAMINOPHEN**.
AU ARTER T; DYCHKO D; SCHAEFFER J; WINTERKORN R
CS CLIN. DIAGNOSTICS DIV., EASTMAN KODAK CO., ROCHESTER, NY 14650, USA.
SO 45TH NATIONAL MEETING OF THE AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY, INC., NEW YORK, NEW YORK, USA, JULY 11-15, 1993. CLIN CHEM 39 (6). 1993. 1230. CODEN: CLCHAU ISSN: 0009-9147
DT Conference
LA English

L76 ANSWER 9 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1994:291560 CAPLUS
DN 120:291560
TI Forensic toxicological application of TOXI-LAB screening for

biological specimens in autopsy cases and emergency cares
AU Nishigami, Jun; Ohshima, Tohru; Takayasu, Tatsunori; Kondo, Toshikazu; Lin, Ziqing; Nagano, Taizo
CS Sch. Med., Kanazawa Univ., Kanazawa, 920, Japan
SO Nippon Hoigaku Zasshi (1993), 47(5), 372-9
CODEN: NHOZAX; ISSN: 0047-1887
DT Journal
LA Japanese

L76 ANSWER 10 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 2
AN 1992:497401 CAPLUS
DN 117:97401
TI A simplified TLC system for qualitative and semi-quantitative analysis of pharmaceuticals
AU Flinn, P. E.; Kenyon, A. S.; Layloff, T. P.
CS Div. Drug Anal., Food Drug Adm., St. Louis, MO, 63101-2045, USA
SO J. Liq. Chromatogr. (1992), 15(10), 1639-53
CODEN: JLCHD8; ISSN: 0148-3919
DT Journal
LA English

L76 ANSWER 11 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 3
AN 1992:488999 CAPLUS
DN 117:88999
TI TLC preparative purification of picrocrocin, HTCC and crocin from saffron
AU Iborra, Jose Luis; Castellar, M. Rosario; Canovas, Manuel; Manjon, Arturo
CS Fac. Cienc. Quim., Univ. Murcia, Murcia, 30001, Spain
SO J. Food Sci. (1992), 57(3), 714-16, 731
CODEN: JFDSAZ; ISSN: 0022-1147
DT Journal
LA English

L76 ANSWER 12 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 4
AN 1992:650099 CAPLUS
DN 117:250099
TI Methods for the analysis of the saffron metabolites crocin, crocetins, picrocrocin and safranal for the determination of the quality of the spice using thin-layer chromatography, high-performance liquid chromatography and gas chromatography
AU Sujata, V.; Ravishankar, G. A.; Venkataraman, L. V.
CS Autotrophic Cell Cult. Discip., Cent. Food Technol. Res. Inst., Mysore 570 013, India
SO J. Chromatogr. (1992), 624(1-2), 497-502
CODEN: JOCRAM; ISSN: 0021-9673
DT Journal
LA English

L76 ANSWER 13 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 92327876 EMBASE
TI Supervison of some drug preparates of several components by thin-layer chromatography in the pilot-plant laboratory (for preparing galenics) at Marosvasarhely.
AU Nagy A.; Bartha J.; Nagy L.
CS Marosvas. Gyogyszerellenorzo Lab., Marosvasarhely, Hungary
SO GYOGYSZERESZET, (1992) 36/5 (279-282).
ISSN: 0017-6036 CODEN: GYOGAI
CY Hungary
DT Journal
FS 029 Clinical Biochemistry
030 Pharmacology
037 Drug Literature Index
LA Hungarian
SL English; Hungarian

L76 ANSWER 14 OF 77 MEDLINE
AN 91269751 MEDLINE
TI Comprehensive drug screening in urine using solid-phase extraction and combined TLC and GC/MS identification.

AU Lillsunde P; Korte T
CS National Public Health Institute, Department of Biochemistry, Helsinki, Finland..
SO JOURNAL OF ANALYTICAL TOXICOLOGY, (1991 Mar-Apr) 15 (2) 71-81. Journal code: K4R. ISSN: 0146-4760.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 9109

L76 ANSWER 15 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 90334789 EMBASE
TI Determination of the components of analgesic mixtures using highperformance thin-layer chromatography.
AU El Sadek M.; El Shanawany A.; Aboul Khier A.; Rucker G.
CS Faculty of Pharmacy, Zagazig University, Zagazig, Egypt
SO ANALYST, (1990) 115/9 (1181-1184). ISSN: 0003-2654 CODEN: ANALAO
CY United Kingdom
DT Journal
LA English

L76 ANSWER 16 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 89122118 EMBASE
TI Modern chromatographic procedures in systematic toxicological analysis.
AU De Zeeuw R.A.
CS Department of Analytical Chemistry and Toxicology, University Centre for Pharmacy, NL-9713 AW Groningen, Netherlands
SO J. CHROMATOGR., BIOMED. APPL., (1989) 488/1 (199-213). ISSN: 0378-4347 CODEN: JCBADL
CY Netherlands
DT Journal
FS 040 Drug Dependence, Alcohol Abuse and Alcoholism
052 Toxicology
LA English

L76 ANSWER 17 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.DUPLICATE 5
AN 90282488 EMBASE
TI [Paracetamol. Chromatographic (TLC) studies of the semi-aqueous solutions and p-aminophenol interfering on spectrophotometric quantitative analysis].
PARACETAMOL. ESTUDO CROMATOGRAFICO (CCD) DE SOLUCOES SEMI-AQUOSAS E DEMONSTRACAO DA INTERFERENCIA DO P-AMINOFENOL SOBRE AS ANALISES QUANTITATIVAS REALIZADAS POR ESPECTROFOTOMETRIA U.V..
AU Correa M.A.; Hamilton Ferreira Bueno J.; Wakimoto Hanai L.
CS Departamento de Farmacos e Medicamentos, Faculdade de Ciencias Farmaceuticas, UNESP, 14800 Araraquara, SP, Brazil
SO REV. CIENC. FARM., (1989) 11/- (133-150). ISSN: 0101-3793 CODEN: RFCFDE
CY Brazil
DT Journal
FS 029 Clinical Biochemistry
LA Portuguese
SL English

L76 ANSWER 18 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1989:90042 CAPLUS
DN 110:90042
TI Evaluation of a multiple-variable thin-layer and reversed-phase thin-layer chromatographic scheme for the identification of basic and neutral drugs in an emergency toxicology setting
AU Harper, J. D.; Martel, Patricia A.; O'Donnell, C. Michael
CS Toxi-lab, Inc., Irvine, CA, 92718, USA
SO J. Anal. Toxicol. (1989), 13(1), 31-6 CODEN: JATOD3; ISSN: 0146-4760
DT Journal
LA English

L76 ANSWER 19 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1988:487594 CAPLUS
DN 109:87594
TI Identification of some toxicologically important substances in biological fluids
AU Fartushnyi, A. F.; Muzhanovskii, E. B.; Sedov, A. I.
CS Donetsk Reg. Bur. Forensic Med. Expert., Donetsk, USSR
SO Farm. Zh. (Kiev) (1988), (3), 45-9
CODEN: FRZKAP; ISSN: 0367-3057
DT Journal
LA Ukranian

L76 ANSWER 20 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1988:137962 CAPLUS
DN 108:137962
TI Separation and determination of romergan, diazepam, papaverine, and paracetamol from a complex mixture
AU Caproiu, Rodica; Tamas, Viorica
CS Inst. Cercet. Chim. Farm., Bucharest, Rom.
SO Rev. Chim. (Bucharest) (1987), 38(12), 1147-51
CODEN: RCBUAU
DT Journal
LA Romanian

L76 ANSWER 21 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1987:473660 CAPLUS
DN 107:73660
TI Determination of small quantities of sulfate (0-12 nmol) in serum, urine, and cartilage of the mouse
AU De Vries, Bernard J.; Vitters, Elly; Van den Berg, Wim; Schram, Dave; Van de Putte, Levinus B. A.
CS Dep. Rheumatol., Univ. Hosp. Sint Radboud, Nijmegen, 6525 GA, Neth.
SO Anal. Biochem. (1987), 163(2), 408-17
CODEN: ANBCA2; ISSN: 0003-2697
DT Journal
LA English

L76 ANSWER 22 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 88074788 EMBASE
TI Spectrophotometric determination of dipyrone, phenylbutazone and oxyphenbutazone by their hydrolysis and Schiff base formation with 4-dimethylaminobenzaldehyde.
AU Verma K.K.; Jain A.; Patel N.; Sanghi S.K.
CS Department of Chemistry, Rani Durgavati University, Jabalpur, India
SO FARMACO, ED. PRAT., (1987) 42/7 (185-192).
ISSN: 0014-827X CODEN: FRPPAO
CY Italy
DT Journal
LA English

L76 ANSWER 23 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1987:219691 CAPLUS
DN 106:219691
TI Utility of 7,7,8,8-tetracyanoquinodimethane and p-chloranilic acid in the qualitative and quantitative analysis of pentazocine
AU Abdel-Hamid, Mohamed E.; Mahrous, Mohamed S.; Abdel-Khalek, Magdi M.; Abdel-Salam, Mohamed A.
CS Fac. Pharm., Univ. Alexandria, Alexandria, Egypt
SO Egypt. J. Pharm. Sci. (1986), Volume Date 1984, 25(1-4), 291-301
CODEN: EJPSBZ; ISSN: 0301-5068
DT Journal
LA English

L76 ANSWER 24 OF 77 MEDLINE
AN 86289612 MEDLINE
TI [Use of spectral methods in the study of poisoning]. Prispevek k pouziti nekterych spektralnich metod pri vysetrovani intoxikaci.
AU Smysl B

SO SOUDNI LEKARSTVI, (1986 May) 31 (2) 26-9.
Journal code: UUT. ISSN: 0371-1854.
CY Czechoslovakia
DT Journal; Article; (JOURNAL ARTICLE)
LA Czech
FS Priority Journals
EM 8611

L76 ANSWER 25 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1986:103679 CAPLUS
DN 104:103679
TI Differentiating cocaine from other 'caine drugs and common adulterants by thin-layer chromatography
AU Bonicamp, Judith M.; Pryor, Lorie
CS Middle Tennesse Univ., Murfreesboro, TN, 37132, USA
SO J. Tenn. Acad. Sci. (1986), 61(1), 9-11
CODEN: JTASAG; ISSN: 0040-313X
DT Journal
LA English

L76 ANSWER 26 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1985:571325 CAPLUS
DN 103:171325
TI Determination of paracetamol in serum by HPTLC
AU Berner, G.; Staab, R.; Wagener, H. H.
CS Dolorgiet Arzneimittel, St. Augustin, D-5205, Fed. Rep. Ger.
SO Fresenius' Z. Anal. Chem. (1985), 321(6), 601-2
CODEN: ZACFAU; ISSN: 0016-1152
DT Journal
LA German

L76 ANSWER 27 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 85215577 EMBASE
TI Utility of 7,7,8,8,-tetracyanoquinodimethane and p-chloranilic acid in the qualitative and quantitative analysis of pentazocine.
AU Abdel-Hamid M.E.; Mahrous M.S.; Abdel-Khalek M.M.; Abdel-Salam M.A.
CS Faculty of Pharmacy, University of Alexandra, Alexandria, Egypt
SO J. PHARM. BELG., (1985) 40/4 (237-243).
CODEN: JPBEAJ
CY Belgium
LA English
SL French; Dutch

L76 ANSWER 28 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 85187061 EMBASE
TI Detection of some beta adrenergic blocking drugs and their metabolites in urine by thin layer chromatography.
AU Bonicamp J.M.; Pryor L.
CS Department of Chemistry and Physics, Middle Tennessee State University, Murfreesboro, TN 37132, United States
SO J. ANAL. TOXICOL., (1985) 9/4 (180-182).
CODEN: JATOD3
CY United States
LA English

L76 ANSWER 29 OF 77 JICST-EPlus COPYRIGHT 1996 JICST
AN 850437276 JICST-EPlus
TI Studies on the quality of natural coloring matters. II. Natural yellow colors extracted from gardenia fruit (Gardenia jasminoides Ellis) and colors found in commercial gardenia fruit extract color. Analysis of natural yellow colors by high performance liquid chromatography.
AU KAMIKURA MIEKO; NAKAZATO KEIKO
CS National Inst. of Hygienic Sciences
SO Shokuhin Eiseigaku Zasshi (Journal of the Food Hygienic Society of Japan), (1985) vol. 26, no. 2, pp. 150-159. Journal Code: G0622A
(Fig. 9, Tbl. 3, Ref. 8)
CODEN: SKEZAP; ISSN: 0015-6426
CY Japan

DT Journal; Article
LA Japanese
STA New

L76 ANSWER 30 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 85168234 EMBASE
TI Thin-layer chromatographic screening procedure for undeclared synthetic drugs in Chinese herbal preparations.
AU Yuen S.; Lau-Cam C.A.
CS Food and Drug Administration, New York Regional Laboratory, Brooklyn, NY 11232, United States
SO J. CHROMATOGR., (1985) 329/1 (107-112).
CODEN: JOCRAM
CY Netherlands
LA English

L76 ANSWER 31 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1985:172740 CAPLUS
DN 102:172740
TI Spectrophotodensitometric separation and analysis of a mixture of phenol derivatives in several preparations of antiinfluenza tablets
AU Supradja, Anom; Ibrahim, Slamet; Rusdi
CS Jurusan Farmasi, FMIPA, ITB, Bandong, Indonesia
SO Acta Pharm. Indones. (1984), 9(3), 122-31
CODEN: APINEK; ISSN: 0216-616X
DT Journal
LA Indonesian

L76 ANSWER 32 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 6
AN 1984:186776 CAPLUS
DN 100:186776
TI A convenient thin-layer chromatographic screening method for acetaminophen in serum
AU Kelly, Raymond C.; Doshier, Lonnie A.; Rubin, H. Robert
CS Am. Bio-Sci. Lab., Van Nuys, CA, 91405, USA
SO J. Anal. Toxicol. (1984), 8(2), 54-8
CODEN: JATOD3; ISSN: 0146-4760
DT Journal
LA English

L76 ANSWER 33 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1983:517308 CAPLUS
DN 99:117308
TI More economical use of high-performance thin-layer plates for chromatographic screening of illicit drug samples
AU Sundholm, E. G.
CS Natl. Lab. Forensic Sci., Linkoeping, S-581 01, Swed.
SO J. Chromatogr. (1983), 265(2), 285-91
CODEN: JOCRAM; ISSN: 0021-9673
DT Journal
LA English

L76 ANSWER 34 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 83097822 EMBASE
TI Evaluation of the prodrug potential of the sulfate esters of acetaminophen and 3-hydroxymethyl-phenytoin.
AU Williams D.B.; Varia S.A.; Stella V.J.; Pitman I.H.
CS Sch. Pharm., Victorian Coll. Pharm., Parkville, Vic., Australia
SO INT. J. PHARM., (1983) 14/1 (113-120).
CODEN: IJPHDE
CY Netherlands
LA English

L76 ANSWER 35 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 7
AN 1983:607498 CAPLUS
DN 99:207498
TI A systematic laboratory approach for the identification of drugs in presumably poisoned (overdosed) patients
AU Vasiliades, John
CS Dep. Pathol., Creighton Univ., Omaha, NE, 68131, USA

SO J. Toxicol., Clin. Toxicol. (1983), 20(1), 23-46
CODEN: JTCTDW; ISSN: 0731-3810
DT Journal
LA English

L76 ANSWER 36 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1983:192840 CAPLUS
DN 98:192840
TI Identification of drugs in biological fluids
AU Vinet, Bernard
CS Dep. Biochim., Hop. Notre-Dame, Montreal, PQ, H2L 4M1, Can.
SO Ann. Biochim. Clin. Que. (1983), 22(1), 5-11
CODEN: ABCQD2; ISSN: 0709-8502
DT Journal
LA French

L76 ANSWER 37 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 8
AN 1982:555813 CAPLUS
DN 97:155813
TI A simple photometric method for determining aminophenazone and phenylbutazone
AU Homann, T.
CS Leipzig, Ger. Dem. Rep.
SO Pharmazie (1982), 37(6), 455-6
CODEN: PHARAT; ISSN: 0031-7144
DT Journal
LA German

L76 ANSWER 38 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1982:592641 CAPLUS
DN 97:192641
TI Toxicological-chemical urine analysis after ingestion of phenacetin, paracetamol and asprin-containing analgesics
AU Kobbe, Katharina; Goenechea, S.
CS Inst. Rechtsmed., Univ. Bonn, Bonn, D-5300, Fed. Rep. Ger.
SO Beitr. Gerichtl. Med. (1982), 40, 341-5
CODEN: BEGMA5; ISSN: 0067-5016
DT Journal
LA German

L76 ANSWER 39 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 82172135 EMBASE
TI Differentiation of amphetamine and its major hallucinogenic derivatives using thin-layer chromatography.
AU O'Brien B.A.; Bonicamp J.M.; Jones D.W.
CS Anal. Syst., 23162 La Cadena Drive, Laguna Hills, CA 92653, United States
SO J. ANAL. TOXICOL., (1982) 6/3 (143-147).
CODEN: JATOD3
CY United States
LA English

L76 ANSWER 40 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1982:533671 CAPLUS
DN 97:133671
TI Ferric chloride/hydrogen chloride/potassium iodide versatile wide application reagent
AU Fiorese, F.; Vermuelen, G.; Turcotte, C.
CS Stormville, NY, 12582, USA
SO Subst. Alcohol Actions/Misuse (1982), 3(1-2), 47-59
CODEN: SAAMDZ; ISSN: 0191-8877
DT Journal
LA English

L76 ANSWER 41 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 82127516 EMBASE
TI [A combined TLC- and UV-screening procedure for commonly used hypnotics and sedatives with the exception of benzodiazepines].
EIN KOMBINIERTES DC- UND UV-SCREENING-VERFAHREN FUR GEBRAUCHLICHE SCHLAF- UND BERUHIGUNGSMITTEL MIT AUSNAHME DER BENZODIAZEPINE.
AU Schutz H.

CS Inst. Rechtsmed., Univ. Giessen, 6300 Giessen, Germany, Federal Republic of
SO ARZTL. LAB., (1982) 28/2 (47-57).
CODEN: AELAAH
CY Germany, Federal Republic of
LA German
SL English

L76 ANSWER 42 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1981:503353 CAPLUS
DN 95:103353
TI Possibility of a (more) inexpensive construction of thin-layer chromatographic analysis
AU Surborg, Karl Heinz
CS Pharm. Inst., Rheinischen Friedrich-Wilhelms-Univ., Bonn, Fed. Rep. Ger.
SO Dtsch. Apoth.-Ztg. (1981), 121(27), 1414-16
CODEN: DAZEA2; ISSN: 0011-9857
DT Journal
LA German

L76 ANSWER 43 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1981:618933 CAPLUS
DN 95:218933
TI Study of saffron used in compound foods through identification of its coloring, bittering and odorous principles
AU Corradi, C.; Micheli, G.; Sprocati, G.
CS Lab. Provinciale Igiene Profilassi Reparto Chim., Milan, Italy
SO Ind. Aliment. (Pinerolo, Italy) (1981), 20(9), 624, 627-9
CODEN: INALBB; ISSN: 0019-901X
DT Journal
LA Italian

L76 ANSWER 44 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1981:459998 CAPLUS
DN 95:59998
TI Detection of some natural dyes by polyamide thin-layer chromatography
AU Kanada, Hiroshi; Warabi, Yumi; Sato, Eiichi; Yamashita, Taeko; Takeshita, Ryuzo
CS Yokohama Publ. Food Insp., Yokohama, 221, Japan
SO Eisei Kagaku (1981), 27(1), 50-5
CODEN: ESKGA2; ISSN: 0013-273X
DT Journal
LA English

L76 ANSWER 45 OF 77 BIOSIS COPYRIGHT 1996 BIOSIS
AN 81:171363 BIOSIS
DN BA71:41355
TI CHANGES IN **CROCIN** AND GENIPOSIDE CONTENTS IN THE DEVELOPING FRUITS OF GARDENIA-JASMINOIDES-F-GRANDIFLORA.
AU UMETANI Y; FUKUI H; TABATA M
CS FAC. PHARM. SCI., KYOTO UNIV., YOSHIDA, SAKYO, KYOTO.
SO YAKUGAKU ZASSHI 100 (9). 1980. 920-924. CODEN: YKKZAJ ISSN: 0372-7750
LA Japanese

L76 ANSWER 46 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1981:430488 CAPLUS
DN 95:30488
TI Ferric chloride/hydrogen chloride/potassium chloride versatile wide application reagent
AU Fiorese, F.; Vermeulen, G.; Turcotte, C.
CS Div. Pathol., Silver Cross Hosp., Joliet, IL, USA
SO Toxicol. Aspects, [Int. Congr. Eur. Assoc. Poison Control Cent.], 9th (1980), 431-45. Editor(s): Kovatsis, Anastassios V. Publisher: J. Michalopoulos, Salonika, Greece.
CODEN: 45TOAM
DT Conference
LA English

L76 ANSWER 47 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 80041948 EMBASE
TI Evidence for the involvement of N-acetyl-p-quinoneimine in acetaminophen metabolism.
AU Miner D.J.; Kissinger P.T.
CS Dept. Chem., Purdue Univ., West Lafayette, Ind. 47907, United States
SO BIOCHEM. PHARMACOL., (1979) 28/22 (3285-3290).
CODEN: BCPCA6
CY United Kingdom
LA English

L76 ANSWER 48 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 80071363 EMBASE
TI Rapid assay for determination of trimethoprim and sulfamethoxazole levels in serum by spectrofluorometry.
AU Lichtenwalner D.M.; Suh B.; Lorber B.; Sugar A.M.
CS Sect. Infect. Dis., Temple Univ. Hlth Sci. Cent., Philadelphia, Pa. 19140, United States
SO ANTIMICROB. AGENTS CHEMOTHER., (1979) 16/5 (579-583).
CODEN: AMACCQ
CY United States
LA English

L76 ANSWER 49 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 9
AN 1979:179811 CAPLUS
DN 90:179811
TI A rapid ultraviolet spectrophotometric procedure for the microdetermination of theophylline (1,3-dimethylxanthine) in plasma or serum
AU Fellenberg, A. J.; Pollard, A. C.
CS Dep. Chem. Pathol., Adelaide Child. Hosp., North Adelaide, Aust.
SO Clin. Chim. Acta (1979), 92(2), 267-72
CODEN: CCATAR; ISSN: 0009-8981
DT Journal
LA English

L76 ANSWER 50 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 80070172 EMBASE
TI Use of ceric ammonium nitrate for detection of aromatic amines and phenolic compounds.
AU Kamtikar S.A.; Joglekar V.D.
CS Forens. Sci. Lab., State Maharashtra, Bombay - 400 008, India
SO J. ANAL. TOXICOL., (1979) 3/6 (265-266).
CODEN: JATOD3
CY United States
LA English

L76 ANSWER 51 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1979:433614 CAPLUS
DN 91:33614
TI A chromatography system for drug identification
AU McLinden, V. J.; Stenhouse, A. M.
CS Gov. Chem. Lab., Perth, Australia
SO Forensic Sci. Int. (1979), 13(1), 71-9
CODEN: FSINDR
DT Journal
LA English

L76 ANSWER 52 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1979:581552 CAPLUS
DN 91:181552
TI Identification of analgesic and antipyretic drugs by TLC
AU Munshi, G. K.; Bhatacharya, T. K.
CS Cent. Drugs Lab., Gov. India, Calcutta, India
SO Indian Drugs Pharm. Ind. (1978), 13(3), 43-4
CODEN: IDPIA6; ISSN: 0019-4638
DT Journal
LA English

L76 ANSWER 53 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 10
AN 1978:470645 CAPLUS

DN 89:70645
TI The identification of drugs in gastric washings following acute poisoning
AU Sharman, J. R.
CS Dep. Clin. Biochem., Christchurch Hosp., Christchurch, N. Z.
SO N. Z. J. Med. Lab. Technol. (1978), 32(1), 17-20
CODEN: NZJMAR; ISSN: 0028-8349
DT Journal
LA English

L76 ANSWER 54 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1981:36439 CAPLUS
DN 94:36439
TI Analysis of drugs. I. Determination of acetaminophen by thin-layer chromatog.-densitometry
AU Kanamori, Hisayuki
CS Hiroshima Prefect. Inst. Public Health, Hiroshima, Japan
SO Kenkyu Hokoku - Hiroshima-ken Eisei Kenkyusho (1978), (25), 12-16
CODEN: KHHKDP
DT Journal
LA Japanese

L76 ANSWER 55 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1977:578497 CAPLUS
DN 87:178497
TI Thin-layer chromatographic detection of important drugs based on the primary aromatic amino groups as key fragments
AU Ebel, Siegfried; Schuetz, Harald
CS Inst. Pharm. Chem., Philipps-Univ., Marburg, Ger.
SO Dtsch. Apoth.-Ztg. (1977), 117(40), 1605-9
CODEN: DAZEA2
DT Journal
LA German

L76 ANSWER 56 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 78211617 EMBASE
TI Analytical chemistry and signs of poisoning.
AU Maes R.A.A.
CS Fac. Wisk. Natuurwetensch., Rijksuniv. Utrecht, Netherlands
SO CHEM. WEEKBL., (1977) 73/DEC. (679-680).
CODEN: CHWEAP
CY Netherlands
LA Dutch

L76 ANSWER 57 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 78189121 EMBASE
TI Rapid identification of drugs in the overdosed patient.
AU Hackett L.P.; Dusci L.J.
CS State Hlth Lab., Perth, Australia
SO CLIN. TOXICOL., (1977) 11/3 (341-352).
CODEN: CTOXAO
CY United States
LA English

L76 ANSWER 58 OF 77 BIOSIS COPYRIGHT 1996 BIOSIS
AN 78:125301 BIOSIS
DN BA65:12301
TI THIN LAYER CHROMATOGRAPHIC METHOD FOR THE QUANTITATIVE ANALYSIS OF PARACETAMOL N ACETYL-P-AMINO PHENOL IN BLOOD PLASMA.
AU GUPTA R N; ENG F; KEANE P M
CS DEP. LAB. MED., ST. JOSEPH'S HOSP., HAMILTON, ONT. CAN.
SO J CHROMATOGR 143 (1). 1977 112-114. CODEN: JOCRAM ISSN: 0021-9673
LA English

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AN 78016936 EMBASE
TI 4 Acetaminophenoxyacetic acid, a new urinary metabolite of phenacetin.

AU Dittmann B.; Renner G.
CS Pharmakol. Inst., Univ. Munchen, Germany, Federal Republic of
SO NAUNYN-SCHMIED.ARCH.PHARM., (1977) 296/2 (87-89).
CODEN: NSAPCC
LA English

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AN 1977:473412 CAPLUS
DN 87:73412
TI Densitometric determination of analgesics by measurement of in situ reflectance
AU Wintersteiger, R.; Guebitz, G.
CS Inst. Pharm. Chem., Univ. Graz, Graz, Austria
SO Sci. Pharm. (1977), 45(1), 18-24
CODEN: SCPHA4
DT Journal
LA German

L76 ANSWER 61 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 77091442 EMBASE
TI Diazepam abuse: incidence, rapid screening, and confirming methods.
AU Rejent T.A.; Wahl K.C.
CS Erie County Labs, Div. Toxicol., E.J. Meyer Mem. Hosp., Buffalo, N.Y. 14215, United States
SO CLIN.CHEM., (1976) 22/6 (889-891).
CODEN: CLCHAU
LA English

L76 ANSWER 62 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1978:110603 CAPLUS
DN 88:110603
TI Analysis of combination drugs. 12. Determination of antipyretic analgesics
AU Inoue, Tetsuo; Tachizawa, Masayoshi; Hashiba, Shigeko; Ishibashi, Namio
CS Natl. Inst. Hyg. Sci., Tokyo, Japan
SO Iyakuhin Kenkyu (1976), 7(1), 84-91
CODEN: IYKEDH
DT Journal
LA Japanese

L76 ANSWER 63 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 11
AN 1976:79771 CAPLUS
DN 84:79771
TI Spectrophotometric determination of p-aminophenol alone or in the presence of acetaminophen
AU Kalatzis, Evangelos; Zarbi, Irene
CS Natl. Hell. Res. Found., Athens, Greece
SO J. Pharm. Sci. (1976), 65(1), 71-5
CODEN: JPMSAE
DT Journal
LA English

L76 ANSWER 64 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 12
AN 1976:83897 CAPLUS
DN 84:83897
TI Rapid and comprehensive system for the routine identification of drugs in biological material based on microphase extraction and drug color profiles
AU Serfontein, Willem J.; Botha, Deo; De Villiers, Louis S.
CS Univ. Pretoria, Pretoria, S. Afr.
SO J. Chromatogr. (1975), 115(2), 507-18
CODEN: JOCRAM
DT Journal
LA English

L76 ANSWER 65 OF 77 EMBASE COPYRIGHT 1996 ELSEVIER SCI. B.V.
AN 76146546 EMBASE
TI The degradation of paracetamol (4 hydroxyacetanilide) and other substituted acetanilides by a Penicillium species.

AU Hart A.; Orr D.L.J.
CS Sch. Pharm., Liverpool Polytechn., Liverpool, United Kingdom
SO ANT.V.LEEUWENHOEK J.MICROBIOL., (1975) 41/3 (239-247).
CODEN: ALJMAO
LA English

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AN 1976:116472 CAPLUS
DN 84:116472
TI Relevance of street drug analyses in the forensic laboratory to clinical toxicology of drug abuse
AU Zabik, Joseph E.; Maickel, Roger P.
CS Forensic Tech. Cent., Bloomington, Indiana, USA
SO Drug Addict. (1974), 4, 203-17
CODEN: DRADDU
DT Journal
LA English

L76 ANSWER 67 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1976:111746 CAPLUS
DN 84:111746
TI Studies on the detection method devised for identifying the proscribed material found in the Chinese folk medicine. V. Detection of caffeine, methyltestosterone, and antipyretic-analgesics found in the folk medicine, Pu-Sen pills
AU Wu, H. L.; Pan, T. C.
CS Kaohsiung Med. Coll., Kaohsiung, Taiwan
SO T'ai-wan Yao Hsueh Tsa Chih (1974), 26(1-2), 22-5
CODEN: JTPHAO
DT Journal
LA Chinese

L76 ANSWER 68 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 13
AN 1974:482454 CAPLUS
DN 81:82454
TI Drug detection with color tests
AU Fitzgerald, Thomas J.; Walaszek, Edward J.
CS Med. Cent., Univ. Kansas, Kansas City, Kan., USA
SO Clin. Toxicol. (1973), 6(4), 599-605
CODEN: CTOXAO
DT Journal
LA English

L76 ANSWER 69 OF 77 CAPLUS COPYRIGHT 1996 ACS DUPLICATE 14
AN 1973:474432 CAPLUS
DN 79:74432
TI Emergency toxicological screening for drugs commonly taken in overdose
AU Berry, D. J.; Grove, J.
CS Poisons Unit, New Cross Hosp., London, Engl.
SO J. Chromatogr. (1973), 80(2), 205-20
CODEN: JOCRAM
DT Journal
LA English

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AN 1976:111747 CAPLUS
DN 84:111747
TI Studies on the detection method devised for identifying the proscribed material found in the Chinese folk medicine. IV. Detection of the antipyretic-analgesics, and caffeine found in the folk medicine, Sun-Yao powder
AU Wu, H. L.; Chen, E. H.
CS Kaohsiung Med. Coll., Kaohsiung, Taiwan
SO T'ai-wan Yao Hsueh Tsa Chih (1973), 25(1-2), 32-5
CODEN: JTPHAO
DT Journal
LA Chinese

L76 ANSWER 71 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1970:83008 CAPLUS

DN 72:83008
TI Determination of **paracetamol** and aspirin in mixtures by potentiometric titrimetry or by ultraviolet **spectrophotometry**
AU Fogg, Arnold G.; Sausins, P. J.; Smithson, J. R.
CS Dep. Chem., Loughborough Univ. Technol., Loughborough, Engl.
SO Anal. Chim. Acta (1970), 49(2), 342-5
CODEN: ACACAM
DT Journal
LA English

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AN 71184029 MEDLINE
TI [Dosage in non aqueous solutions of acetanilide, n-methylacetanilide, acetophenetidine and acetoaminophen]. Dosage en milieu non aqueus de l'acetanilide, de la n-methylacetanilide, de l'acetophenetidine et de l' **acetaminophen.**
AU Laurent O
SO JOURNAL DE PHARMACIE DE BELGIQUE, (1970 Mar-Apr) 25 (2) 157-9.
Journal code: JNB. ISSN: 0047-2166.
CY Belgium
DT Journal; Article; (JOURNAL ARTICLE)
LA French
EM 7108

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AN 1969:469040 CAPLUS
DN 71:69040
TI **Detection of paracetamol** in the urine following the ingestion of therapeutic doses of phenacetin-containing analgesics
AU Goenechea, Sabino
CS Inst. Gerichtl. Med., Univ. Bonn, Bonn, Ger.
SO Z. Klin. Chem. Klin. Biochem. (1969), 7(4), 346-49
CODEN: ZKCKAD
DT Journal
LA German

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AN 1968:446091 CAPLUS
DN 69:46091
TI **Analysis** of mixed pharmaceutical preparations. VII. **Spectrophotometric** determination of phenylephrine hydrochloride in pharmaceutical preparations
AU Tatsuzawa, Masayoshi; Shimoda, Michitoshi
CS Nat. Inst. Hyg. Sci., Tokyo, Japan
SO Bunseki Kagaku (1968), 17(5), 551-5
CODEN: BNSKAK
DT Journal
LA Japanese

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AN 68281663 MEDLINE
TI Chromatographic methods for **analysis** of the metabolites of acetophenetidin (phenacetin).
AU Klutch A; Bordun M
SO JOURNAL OF PHARMACEUTICAL SCIENCES, (1968 Mar) 57 (3) 524-6.
Journal code: JO7. ISSN: 0022-3549.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 6809

L76 ANSWER 76 OF 77 CAPLUS COPYRIGHT 1996 ACS
AN 1968:430131 CAPLUS
DN 69:30131
TI Studies on the **analysis** of mixed pharmaceutical preparations. VI. **Spectrophotometric** determination of phenylephrine hydrochloride in pharmaceutical preparations

AU Tatsuzawa, Masayoshi; Hashiba, Shigeko
CS Nat. Inst. Hyg. Sci., Tokyo, Japan
SO Bunseki Kagaku (1968), 17(4), 478-82
CODEN: BNSKAK
DT Journal
LA Japanese

L76 ANSWER 77 OF 77 MEDLINE
AN 67205860 MEDLINE
TI A kinetic study of drug elimination: the excretion of paracetamol and its metabolites in man.
AU Cummings A J; King M L; Martin B K
SO BRITISH JOURNAL OF PHARMACOLOGY, (1967 Feb) 29 (2) 150-7.
Journal code: B0O. ISSN: 0007-1188.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 6711